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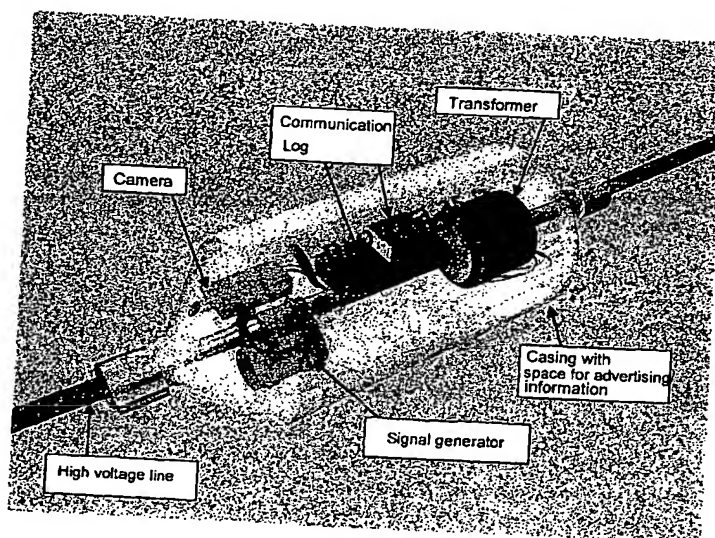
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(54) Title: SYSTEM AND DEVICE FOR MONITORING AN OVERHEAD POWER LINE



(57) Abstract: A device is provided for monitoring an electric overhead line, which device is constituted by an independently operating real time multisensor for mounting in a position on a span of the overhead line. The device has a built-in transmitter for transmitting sensor signals to a remote central, and comprises a laser range finder for measuring distance to the ground beneath the overhead line, as well as a camera for visual inspection of the line and its surroundings. Further, there is provided a system for maintaining the operation of a power line network, based on remote-controlled shut-off of switches installed in special appliances, particularly electric hot water tanks, at the premises of small consumers/private households.

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## A. CLASSIFICATION OF SUBJECT MATTER

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## B. FIELDS SEARCHED

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EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 341 088 A (DAVIS MURRAY W) 23 August 1994 (1994-08-23) column 3, line 55 -column 27, line 64; figures 1-31 abstract	1-24
Y	US 4 360 881 A (MARTINSON JOHN R) 23 November 1982 (1982-11-23) column 1, line 63 -column 5, line 32; figures 1-4 abstract	1-13
Y	WO 95 35478 A (HAFSLUND NYCOMED AS ;IVERSEN HAAKON (NO); MORDT HELGE (NO)) 28 December 1995 (1995-12-28) page 12; line 29 - line 35; figures 9-11 abstract	7,14
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Y	US 6 229 451 B1 (BROWN FRED A) 8 May 2001 (2001-05-08) column 3, line 22 -column 6, line 6; figures 1,2 abstract	15-24
A	US 4 158 810 A (LESKOVAR SILVIN M) 19 June 1979 (1979-06-19) column 4, line 18 -column 5, line 59; figures 1-5 abstract	1-24

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Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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US 4158810	A	19-06-1979	YU 281174 A1 DE 2546694 A1	28-02-1982 29-04-1976

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